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Atty. Dkt. No. 044499-0206

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kiyoshi MURAKAMI

Title: SUBSTRATE INSPECTING METHOD AND SUBSTRATE
INSPECTING APPARATUS USING THE METHOD

Appl. No.: 10/786,468

Filing Date: 02/26/2004

Examiner: Unknown

Art Unit: 2831

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign search report.

RELEVANCE OF EACH DOCUMENT

Any document listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding European application. A copy of the European Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English translation of Document B2 is not readily available; however, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609). An English language abstract is attached.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or

even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: September 27, 2004

By



FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5485
Facsimile: (202) 672-5399

William T. Ellis
Attorney for Applicant
Registration No. 26,874

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: September 27, 2004

(as many sheets as necessary)

1 of 1

Complete if Known

Application Number	10/786,468
Filing Date	02/26/2004
First Named Inventor	Kiyoshi MURAKAMI
Group Art Unit	2831
Examiner Name	Unknown
Attorney Docket Number	044499-0206

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	EP	0 718 623	A2	OMRON CORPORATION	06-26-1996		
	B2	JP	2002 271099		YAMAHA MOTOR CO., LTD	09-20-2002		A

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	B3	E. KAMEN et al., "Analysis of Factors Affecting Component Placement Accuracy In SMT Electronics Assembly, 1998 IEEE/CPMT Int'l Electronics Technology Symposium, pp.50-57.	
	B4	E. KAMEN et al., "Monitoring Surface-Mount Component Placement," Circuits Assembly, 10:1, January 1991, pp. 42, 44, 46-49, XP-002287410.	
	B5	E.K. TEOH et al., "An Intelligent Robotic Vision System for Inspection of Surface Mount PCBs," Proceedings of the Int'l Conference on Systems, Vol. 1, 13 October 1991, pp. 13-17, XP-010054964	
	B6	J.J. TEPE, "Automated Vision Inspection for the Component Assembly Process," Automotive Engineering, Society of Auto. Engineers, Vol. 104, No. 9, pp. 8-15, XP-000627058.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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